

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	((("4,448,791") or ("4,252,832") or ("4,968,522") or ("5,196,219") or ("4,917,907") or ("5,135,770") or ("5,756,140") or ("6,261,612") or ("4,190,757") or ("4,879,229") or ("3,790,444") or ("Re.30,872") or ("3,907,639") or ("5,032,514") or ("2.301,811") or ("5,089,278") or ("5,091,200") or ("4,641,005") or ("5,043,173") or ("5,059,434") or ("4985261")).PN.	USPAT; USOCR	OR	OFF	2006/01/13 08:30
L2	0	l1 and (sugar adj acid or keto adj gluconic adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:32
L3	2	("0030872").PN.	USPAT; USOCR	OR	OFF	2006/01/13 08:31
L4	1	("RE30872").PN.	USPAT; USOCR	OR	OFF	2006/01/13 08:31
L5	2	("2301811").PN.	USPAT; USOCR	OR	OFF	2006/01/13 08:32
L6	0	l1 and (sugar adj acid or keto near gluconic adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:32
L7	0	l1 and (sugar adj acid or diketo near gluconic adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:33
L8	0	l1 and (sugar adj acid or di?keto near gluconic adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:33
L9	0	l1 and (sugar adj acid or di?keto near gluconic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:33

L10	0	l1 and di?keto near gluconic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:33
L11	3	keto same gluconic and browning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:36
L12	68	sugar adj acid and browning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:57
L13	1176	sugar adj acid and amin?	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:58
L14	467	sugar adj acid same amin?	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 09:10
L15	81	sugar adj acid near amin?	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 08:58
L16	115073	("426").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 09:02
L17	23	l14 and l16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 09:02

L18	383	sugar adj acid same amin? and composition	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 09:11
L19	6	sugar adj acid same amin? and maillard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 09:11

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NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAPLUS with the
IPC reform
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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FILE 'HOME' ENTERED AT 09:44:42 ON 13 JAN 2006

=> S keto(w)L(w)gluconic or keto(w)D(w)gluconic or diketo(w)gluconic
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
1.26	1.26

FILE 'CAPLUS' ENTERED AT 09:48:14 ON 13 JAN 2006

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FILE LAST UPDATED: 12 Jan 2006 (20060112/ED)

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=> S keto(w)L(w)gluconic or keto(w)D(w)gluconic or diketo(w)gluconic
      57981 KETO
      1453644 L
      9210 GLUCONIC
      27 KETO(W)L(W)GLUCONIC
      57981 KETO
      2277477 D
      9210 GLUCONIC
      173 KETO(W)D(W)GLUCONIC
      3803 DIKETO
      9210 GLUCONIC
      9 DIKETO(W)GLUCONIC
L1      203 KETO(W)L(W)GLUCONIC OR KETO(W)D(W)GLUCONIC OR DIKETO(W)GLUCONIC
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=> s l1(L)(maillard or composition or browning)
      5334 MAILLARD
      646566 COMPOSITION
      8566 BROWNING
L2      2 L1(L)(MAILLARD OR COMPOSITION OR BROWNING)
```

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=> d l2 cbib,ab 1-2
```

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L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
2003:696653 Document No. 139:213341 Browning agent for foodstuffs. Boston,
Matthew G.; Whited, Gregory M. (Genencor International, Inc., USA). PCT
Int. Appl. WO 2003071879 A1 20030904, 34 pp. DESIGNATED STATES: W: AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW:
AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR,
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English).
CODEN: PIXXD2. APPLICATION: WO 2003-US5311 20030221. PRIORITY: US
2002-2002/PV358919 20020222.
```

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AB A browning agent for foodstuffs having at least two carbonyl groups is
disclosed. A method for using the browning agent in or on a substrate is
also disclosed. The browning agent may be coated onto foodstuffs such as
biscuits, pizza, pie coverings or hash brown potatoes and heated by
microwave or convection oven to induce browning.
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L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
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1987:192518 Document No. 106:192518 Effect of the **composition** of the culture medium on accumulation of 2-keto-D-gluconic acid by *Pseudomonas putida*. Voloshenko, M. I.; Disler, E. N.; Komarova, G. V. (Inst. Biochem. Physiol. Microorg., Pushchino, USSR). *Prikladnaya Biokhimiya i Mikrobiologiya*, 23(2), 199-203 (Russian) 1987. CODEN: PBMIAK. ISSN: 0555-1099.

AB The effect of the composition of the culture medium and the age of the culture on the activities of the enzymes involved in the accumulation of 2-ketogluconic acid by *P. putida* was studied. The activities of glucose and gluconate dehydrogenases that are responsible for direct oxidation of glucose to 2-ketogluconic acid were 2-3 times higher during the active growth of the culture than in the stationary phase. The activities of 2-ketogluconokinase and 2-keto-6-phosphogluconate reductase, enzymes converting 2-ketogluconic acid, increased 2-4-fold upon glucose consumption. The latter enzymes were not active when the culture was grown on nitrogen or phosphorus deficient media, and in this case 2-ketogluconic acid was accumulated in the medium.

=> d l2 cbib,ab 1-2

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

2003:696653 Document No. 139:213341 Browning agent for foodstuffs. Boston, Matthew G.; Whited, Gregory M. (Genencor International, Inc., USA). PCT Int. Appl. WO 2003071879 A1 20030904, 34 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (English). CODEN: PIXXD2. APPLICATION: WO 2003-US5311 20030221. PRIORITY: US 2002-2002/PV358919 20020222.

AB A browning agent for foodstuffs having at least two carbonyl groups is disclosed. A method for using the browning agent in or on a substrate is also disclosed. The browning agent may be coated onto foodstuffs such as biscuits, pizza, pie coverings or hash brown potatoes and heated by microwave or convection oven to induce browning.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

1987:192518 Document No. 106:192518 Effect of the **composition** of the culture medium on accumulation of 2-keto-D-gluconic acid by *Pseudomonas putida*. Voloshenko, M. I.; Disler, E. N.; Komarova, G. V. (Inst. Biochem. Physiol. Microorg., Pushchino, USSR). *Prikladnaya Biokhimiya i Mikrobiologiya*, 23(2), 199-203 (Russian) 1987. CODEN: PBMIAK. ISSN: 0555-1099.

AB The effect of the composition of the culture medium and the age of the culture on the activities of the enzymes involved in the accumulation of 2-ketogluconic acid by *P. putida* was studied. The activities of glucose and gluconate dehydrogenases that are responsible for direct oxidation of glucose to 2-ketogluconic acid were 2-3 times higher during the active growth of the culture than in the stationary phase. The activities of 2-ketogluconokinase and 2-keto-6-phosphogluconate reductase, enzymes converting 2-ketogluconic acid, increased 2-4-fold upon glucose consumption. The latter enzymes were not active when the culture was grown on nitrogen or phosphorus deficient media, and in this case 2-ketogluconic acid was accumulated in the medium.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

34.25

35.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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